

Amendments to the Claims:

1. (Currently Amended) A refrigerator ~~Refrigerator~~ ~~[[1]]~~ comprising:
- a housing ~~[[2, 14, 19]]~~,
- a cylindrical working chamber ~~[[15, 21]]~~,
- 5 a cylindrical displacing member ~~[[11, 17]]~~,
- a gap ~~[[36, 38]]~~ ~~which is located~~ defined between the housing and the displacing member,
- a first regenerator which is disposed inside the displacing member, ~~and~~
- a device alternately supplying the working chamber with an effective
- 10 high-pressure gas and an effective low-pressure gas, and
- ~~wherein to the gap~~ ~~[[36, 38]]~~ ~~a further regenerator~~ ~~[[43]]~~ ~~gap gas~~ ~~regenerator[[ ]]]~~ is assigned disposed in thermal communication with the gap.
2. (Currently Amended) The refrigerator ~~Refrigerator~~ in accordance with claim 1, ~~wherein it is of a two-stage design and where its~~ further including:
- a second stage is equipped with ~~the~~ a second gap gas regenerator
- 5 ~~[[43]]~~.
3. (Currently Amended) The refrigerator ~~Refrigerator~~ in accordance with claim 1 ~~[[or 2]]~~, wherein the gap gas regenerator ~~[[43]]~~ is includes a single layer wire coil extending in the axial direction, said coil being arranged on ~~the~~ a side of the gap in ~~the housing a wall~~ ~~[[22, 23]]~~ of one of the displacing member
- 5 ~~and[[/]]or on the gap side within the housing wall~~ ~~[[14, 19]]~~ of the refrigerator housing.
4. (Currently Amended) The refrigerator ~~Refrigerator~~ in accordance with claim 1 ~~[[or 2]]~~, wherein the gap gas regenerator ~~[[43]]~~ is accommodated in a hollow chamber ~~[[44]]~~ which is located in ~~the~~ a housing ~~[[22, 23]]~~ of the displacing member ~~[[9, 17]]~~.

5. (Currently Amended) The refrigerator Refrigerator in accordance with claim 4, wherein the hollow chamber ~~[[44]]~~ is linked to the gap ~~[[36, 38]]~~ through axially spaced radial bores ~~[[45, 46]]~~ ~~were there is located between the openings of the radial bores [[45, 46]] in the gap [[36, 38]]~~ and further including:

a seal ~~[[47]]~~ ~~and where the~~ located between the radial bores such that pressure drop across the seal ~~[[47]]~~ is greater than ~~[[the]]~~ a pressure drop across the gap gas regenerator ~~[[43]]~~.

6. (Currently Amended) The refrigerator Refrigerator in accordance with claim 2 ~~and one of the claims 4 or 5~~, wherein the second gap gas regenerator is disposed in a hollow chamber ~~[[44]]~~ ~~for the gap gas regenerator [[43]] is located in the~~ an area of the a warm end of the a displacing member ~~[[17]<sup>5</sup>]]~~ of the second stage.

7. (Currently Amended) The refrigerator Refrigerator in accordance with claim ~~[[6]]~~ 8, ~~wherein~~ further including:

a further seal ~~[[48]]~~ ~~is provided which, with reference to the position of~~ located relative to the first seal ~~[[47], is<sup>6</sup>]]~~ ~~located at the warm end of the~~ second stage displacing member ~~[[18]]~~.

8. (New) The refrigerator in accordance with claim 6, further including:

space radial bores extending between the hollow chamber and the gap;

and,

5 a first seal extending into the gap between the bores.